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*Cross Creek* District, Brooke County, W. Va.  
 Rope Natural Gas Co.  
 Drilled in 1902 by Hudson Bros., contractors.  
 Near Colliers.  
 Started 70' above Pittsburgh Coal.

	Top.	Bottom.
Salt Sand (top)	582	
Top Big Lime	997	
Berea Sand	1654	- 1669
Top 100-Ft. (trace)	1821	
Shale, shells	1821	- 1989
Red rock	1989	- 2014
Shale and shells	2014	- 2021
Sand	2075	- 2077
Garden Sand	2220	- 2221
Sandy shells	2326	- 2346
<del>Sand</del>	<del>2471</del>	<del>2476</del>
Sand	2471	- 2476
Sand	2650	- 2655
Total depth		2767

ID: COUNTY: ( 009 ) PERMIT: 9 0028 SUFFIX: 0 REASSIGNED COUNTY/PERMIT #: CROSS Creek

COMPLETION INFO: ELEVATION: ELEVATION TYPE: COMP FLAG: RIG TYPE: LOCATION INFO: TAX DISTRICT: ( )

CLASSIFICATION: DATES: MM/DD / YYYY WELL TYPE: 7.5' LATITUDE (DDMM.M Miles\_South)

INITIAL: SPUD: / / FINAL: COMP: / / 1902 LONGITUDE (DDMM.M Miles\_West)

FINAL: BATCH: / / YEAR RPTD: QUADRANGLE: ( )

FIELD: ( ) OIL-BEFORE TREATMENT: (BOPD): 15' LATITUDE (DDMM Miles\_South)

OPEN GAS-BEFORE TREATMENT (MCFPD): OIL-AFTER TREATMENT (BOPD): LONGITUDE (DDMM Miles\_West)

FLOW: GAS-AFTER TREATMENT ((MCFPD)): TIME (NATURAL, IN HOURS): QUADRANGLE: ( )

ROCK: NATURAL (PSI): TIME (TREATED, IN HOURS): 5' SECTION: ( )

PRESSURE: TREATED (PSI): DEPTHS: TOTAL FOOTAGE: 2767 NEW FOOTAGE: 2767 EXPLORATORY FOOTAGE:

DEEPEST FORMATION: AT TOTAL DEPTH: ( ) DEEPEST FORMATION TESTED: ( )

OWNERS: INFO: STATUS: ( C ) DATE: (MM/DD/YYYY): / / 1902 SURFACE OWNER: Chriss Heirs 1

OPERATOR CODE: ( ) -NAME: Hope Natural Gas OIL&GAS OWNER: COMPANY NUMBER: ( )

OGWATER (INCLUDE QUALITY, DEPTH, QUANTITY) if available:

PAYS INFO: ACTIVITY PRODUCT TOP FORMATION TOP DEPTH BOTTOM DEPTH BOTTOM FORMATION BEFORE AFTER

STRAT INFO: FORMATION FM Q DEPTH (depth for Thick) DEPTH QUALITY THICKNESS THICKNESS QUALITY ELEVATION TYPE